

Addendum No. 2

Addendum Date: June 10, 2020

Project: Carrie Downie E.S. – Water Main Replacement

The work herein shall be considered part of the bid documents for the referenced project and carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Acknowledge receipt of addendum on the bid form as indicated.

Changes to Specifications:

Section 08 11 13- Hollow Metal Doors and Frames: Added to the specification book.

Section 08 71 00- Door Hardware: Added to the specification book.

Changes to Drawings:

C-101 and C-102: Remove all references to installation of a 'Mueller H-15000 Corp Stop CC x FI' on Sheets C-101 and C-102. This was originally depicted for installation at the service connection to the main in Delaware Street (DE-273).

General Information:

1. None.

Request for Information Questions / Responses:

1. **Question:** Are hollow metal frames to be welded or knockdown?
Response: The hollow metal frames are to be welded. See specification 08 11 13 added to this addendum.
2. **Question:** Can you please provide door hardware spec and hardware set?
Response: Please see attached specification 08 71 00 Door Hardware for clarification.
3. **Question:** Does the closet and door assemble require a rating?
Response: The room for the water main riser is not required to have fire-rated walls or doors.
4. **Question:** With the reconfiguration of partitions will there be a need for a sprinkler scope?
Response: There are no sprinklers in the building.
5. **Question:** With the addition of a fire alarm device, will the school be coordinating that work with its vendor? If not please provide info on the vendor used.

Response: The contract shall own the installation of the new fire alarm device. The current maintenance contractor for the fire alarm system at the school is Anaconda Protective Concepts, (302)-834-1125.

6. **Question:** What is the ceiling type in the new closet? If it is to be an open ceiling, does the light fixture and fire alarm mount on the wall?

Response: The ceiling is to be open. Mount light fixture from structure above by the chain hanger kit called for in the model number. Mount the fire alarm device to the wall within 12" of the deck per code.

7. **Question:** Does your plan for the proposed service replacement allow for no water service to the building for the duration of the replacement work? Or is there another supply to the school building that can be utilized while the replacement work is commencing?

Response: The school has no secondary source of water. It is expected that the contractor will work with the School District to minimize time for the shutdown of the water system.

8. **Question:** Sheet C-101 notes at the tee (12"x12"x8") install at the 12" water main to install with a Mueller H-15000 Corp Stop CC x FI (Mueller H-15000 Corp Stops are only offered ¾" thru 2"), what is the Corp Stop CC x FI connecting to? And how would you like for it to be connected to the 8" outlet of the tee?

Response: Please see "Changes to Drawings" above. The Stop will not be required for this project.

9. **Question:** Addendum #1 drawing, regarding flowable fill as backfill Note; where separation diminishes between sewer and water pipe after 45 MJ bend to be backfilled with flowable fill, does that include the interior excavation be filled with flowable fill?

Response: The flowable fill is not required in the interior portion of the excavated piping.

10. **Question:** Plan calls for relocating the data outlet, is the current cable long enough to reach the new location.

Response: The existing cable is long enough to reach the new location.

END

SECTION 08 11 13
HOLLOW METAL DOORS AND FRAMES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Non-fire-rated steel door frames.

1.02 RELATED REQUIREMENTS

- A. Section 08 71 00 - Door Hardware.
- B. Section 09 90 00 - Painting and Coating: Field painting.

1.03 REFERENCE STANDARDS

- A. ANSI/ICC A117.1 - American National Standard for Accessible and Usable Buildings and Facilities; International Code Council.
- B. ANSI/SDI A250.8 - Specifications for Standard Steel Doors and Frames (SDI-100).
- C. ANSI/SDI A250.10 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames.
- D. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- E. BHMA A156.115 - American National Standard for Hardware Preparation in Steel Doors and Steel Frames.
- F. DHI A115 Series - Specifications for Steel Doors and Frame Preparation for Hardware; Door and Hardware Institute (ANSI/DHI A115 Series).
- G. NAAMM HMMA 840 - Guide Specifications For Receipt, Storage and Installation of Hollow Metal Doors and Frames.
- H. NAAMM HMMA 861 - Guide Specifications for Commercial Hollow Metal Doors and Frames.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Materials and details of design and construction, hardware locations, reinforcement type and locations, anchorage and fastening methods, and finishes; and one copy of referenced grade standard.
- C. Shop Drawings: Details of each opening, showing elevations, glazing, frame profiles, and identifying location of different finishes, if any.
- D. Samples: Submit two samples of metal, 2 x 2 inches in size showing factory finishes, colors, and surface texture.
- E. Installation Instructions: Manufacturer's published instructions, including any special installation instructions relating to this project.
- F. Manufacturer's Certificate: Certification that products meet or exceed specified requirements.

1.05 QUALITY ASSURANCE

- A. Maintain at the project site a copy of all reference standards dealing with installation.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store in accordance with NAAMM HMMA 840.
- B. Protect with resilient packaging; avoid humidity build-up under coverings; prevent corrosion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Steel Door Frames:
 - 1. Assa Abloy Ceco, Curries, or Fleming: www.assaabloydss.com/#sle.
 - 2. Ceco Door Products: www.cecodoor.com.
 - 3. Steelcraft: www.steelcraft.com.
 - 4. Phillip Manufacturing Company
 - 5. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 DOORS AND FRAMES

- A. Requirements for All Door Frames:
 - 1. Accessibility: Comply with ANSI/ICC A117.1.
 - 2. Finish: Factory primed, for field finishing.

2.03 STEEL FRAMES

- A. General:
 - 1. Finish: Factory primed, for field finishing.
 - 2. Frames Wider than 48 Inches: Reinforce with steel channel fitted tightly into frame head, flush with top.
- B. Interior Door Frames, Non-Fire Rated: Full profile/continuously welded type.
 - 1. Frame Metal Thickness: 18 gage, 0.042 inch, minimum.
 - 2. Finish: Factory primed, for field finishing.

2.04 ACCESSORY MATERIALS

- A. Silencers: Resilient rubber or vinyl, fitted into drilled hole; 3 on strike side of single door, 3 on center mullion of pairs, and 2 on head of pairs without center mullions.
- B. Temporary Frame Spreaders: Provide for all factory- or shop-assembled frames.

2.05 FINISH MATERIALS

- A. Primer: Rust-inhibiting, complying with ANSI A250.10, door manufacturer's standard, baked on.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Verify that finished walls are in plane to ensure proper door alignment.

3.02 INSTALLATION

- A. Install doors and frames in accordance with manufacturer's instructions and related requirements of specified door and frame standards or custom guidelines indicated.
- B. Coordinate frame anchor placement with wall construction.
- C. Coordinate installation of hardware.
- D. Touch up damaged factory finishes.

3.03 TOLERANCES

- A. Maximum Diagonal Distortion: 1/16 in measured with straight edge, corner to corner.

3.04 ADJUSTING

- A. Adjust for smooth and balanced door movement.

3.05 SCHEDULE - SEE DRAWINGS

END OF SECTION 08 11 13

SECTION 08 71 00
DOOR HARDWARE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Hardware for wood doors.

1.02 RELATED REQUIREMENTS

- A. Section 08 11 13 - Hollow Metal Doors and Frames.
- B. Section 08 14 16 - Flush Wood Doors.

1.03 REFERENCE STANDARDS

- A. 36 CFR 1191 - Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities; Final Rule; (ADA Standards for Accessible Design).
- B. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design.
- C. ANSI/ICC A117.1 - American National Standard for Accessible and Usable Buildings and Facilities; International Code Council.
- D. BHMA A156.1 - American National Standard for Butts and Hinges.
- E. BHMA A156.2 - American National Standard for Bored and Preassembled Locks & Latches.
- F. BHMA A156.3 - American National Standard for Exit Devices.
- G. BHMA A156.4 - American National Standard for Door Controls - Closers.
- H. BHMA A156.5 - American National Standard for Cylinders and Input Devices for Locks.
- I. BHMA A156.6 - American National Standard for Architectural Door Trim.
- J. BHMA A156.7 - American National Standard for Template Hinge Dimensions.
- K. BHMA A156.8 - American National Standard for Door Controls - Overhead Stops and Holders.
- L. BHMA A156.9 - American National Standard for Cabinet Hardware; Builders Hardware Manufacturers Association (ANSI/BHMA A156.9).
- M. BHMA A156.115W - American National Standard for Hardware Preparation in Wood Doors with Wood or Steel Frames.
- N. DHI (H&S) - Sequence and Format for the Hardware Schedule.
- O. ICC A117.1 - Accessible and Usable Buildings and Facilities.
- P. NFPA 101 - Life Safety Code.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the manufacture, fabrication, and installation of products onto which door hardware will be installed.
- B. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.
- C. Convey Owner's keying requirements to manufacturers.
- D. Preinstallation Meeting: Convene a preinstallation meeting one week prior to commencing work of this section; require attendance by all affected installers.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project.

- C. Hardware Schedule: Detailed listing of each item of hardware to be installed on each door. Use door numbering scheme as included in the Contract Documents. Identify electrically operated items and include power requirements.
- D. Keying Schedule: Submit for approval of Owner.
- E. Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention.
- F. Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.
- G. Keys: Deliver with identifying tags to Owner by security shipment direct from hardware supplier.
- H. Maintenance Materials and Tools: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Tools: One set of all special wrenches or tools applicable to each different or special hardware component, whether supplied by the hardware component manufacturer or not.

1.06 QUALITY ASSURANCE

- A. Hardware Supplier Personnel: Employ an Architectural Hardware Consultant (AHC) to assist in the work of this section.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Package hardware items individually; label and identify each package with door opening code to match hardware schedule.

1.08 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Assa Abloy Brands, Corbin Russwin, Curries, McKinney, Norton, Sargent, or Yale: www.assaabloydss.com/#sle.
- B. Hager Companies: www.hagerco.com/#sle.
- C. Trimco Hardware; ____: www.trimcohardware.com/#sle.
- D. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 DOOR HARDWARE - GENERAL

- A. Provide all hardware specified or required to make doors fully functional, compliant with applicable codes, and secure to the extent indicated.
- B. Provide all items of a single type of the same model by the same manufacturer.
- C. Provide products that comply with the following:
 - 1. Applicable provisions of federal, state, and local codes.
 - 2. Accessibility: ADA Standards and ICC A117.1.
 - 3. Applicable provisions of NFPA 101, Life Safety Code.
 - 4. Hardware Preparation for Wood Doors with Wood or Steel Frames: BHMA A156.115W.
 - 5. Hardware for Smoke and Draft Control Doors : Provide hardware that enables door assembly to comply with air leakage requirements of the applicable code.
- D. Function: Lock and latch function numbers and descriptions of manufactures series as as shown on the drawings.
- E. Finishes: Identified in schedule.

2.03 LOCKS AND LATCHES

- A. Locks: Provide a lock for every door, unless specifically indicated as not requiring locking.
 - 1. Hardware Sets indicate locking functions required for each door.
 - 2. If no hardware set is indicated for a swinging door provide an office lockset.
 - 3. Trim: Provide lever handle or pull trim on outside of all locks unless specifically stated to have no outside trim.
 - 4. Lock Cylinders: Provide key access on outside of all locks unless specifically stated to have no locking or no outside trim.
- B. Lock Cylinders: Manufacturer's standard tumbler type, six-pin standard core.
 - 1. Provide cams and/or tailpieces as required for locking devices required.
- C. Keying: Grand master keyed.
 - 1. Key to existing keying system.
- D. Latches: Provide a latch for every door that is not required to lock, unless specifically indicated "push/pull" or "not required to latch".

2.04 HINGES

- A. Hinges: Provide hinges on every swinging door.
 - 1. Provide five-knuckle full mortise butt hinges unless otherwise indicated.
 - 2. Provide hinges in the quantities indicated.
- B. Quantity of Hinges Per Door:
 - 1. Doors From 60 inches High up to 90 inches High: Three hinges.
- C. Manufacturers - Hinges:
 - 1. Hager Companies: www.hagerco.com/#sle.
 - 2. Substitutions: See Section 01 60 00 - Product Requirements.

2.05 LOCKS AND LATCHES

- A. Locks: Provide a lock for every door, unless specifically indicated as not requiring locking.
 - 1. Hardware Sets indicate locking functions required for each door.
 - 2. If no hardware set is indicated for a swinging door provide an office lockset.
 - 3. Trim: Provide lever handle or pull trim on outside of all locks unless specifically stated to have no outside trim.
 - 4. Lock Cylinders: Provide key access on outside of all locks unless specifically stated to have no locking or no outside trim.
- B. Lock Cylinders: Manufacturer's standard tumbler type, six-pin standard core.
 - 1. Provide cams and/or tailpieces as required for locking devices required.
- C. Keying: Grand master keyed.
- D. Latches: Provide a latch for every door that is not required to lock, unless specifically indicated "push/pull" or "not required to latch".

2.06 CYLINDRICAL LOCKSETS

- A. Locking Functions: As defined in BHMA A156.2, and as follows:
 - 1. Store Door: F91, locked by key from both sides, not an emergency exit (must be unlocked during occupied hours).
- B. Manufacturers - Cylindrical Locksets:
 - 1. Assa Abloy Sargent: www.assaabloydss.com/#sle.
 - 2. Substitutions: See Section 01 60 00 - Product Requirements.

2.07 FLUSHBOLTS AND COORDINATORS

- A. Flushbolts: Lever extension bolts in leading edge of door, one bolt into floor, one bolt into top of frame.
 - 1. Pairs of Swing Doors: At inactive leaves, provide flush bolts of type as required to comply with code.
 - 2. Floor Bolts: Provide dustproof strike except at metal thresholds.
- B. Manual Flushbolts: Provide lever extensions for top bolt at over-size doors.
- C. Manufacturers - Flushbolts:
 - 1. Trimco Hardware: www.trimcohardware.com/#sle.
 - 2. Substitutions: See Section 01 60 00 - Product Requirements.

2.08 STOPS AND HOLDERS

- A. Stops: Complying with BHMA A156.8; provide a stop for every swinging door, unless otherwise indicated.
 - 1. If wall stops are not practical, due to configuration of room or furnishings, provide overhead stop.
- B. Manufacturers - Wall and Floor Stops/Holders:
 - 1. Assa Abloy Brands, Rockwood: www.assaabloydss.com/#sle.
 - 2. Substitutions: See Section 01 60 00 - Product Requirements.

2.09 PROTECTION PLATES AND ARCHITECTURAL TRIM

- A. Protection Plates:
 - 1. Kickplate: Provide on push side of every door with closer, except storefront and all-glass doors.
- B. Manufacturers - Protection Plates and Architectural Trim:
 - 1. Assa Abloy Brands, Rockwood; _____: www.assaabloydss.com/#sle.
 - 2. Substitutions: See Section 01 60 00 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that doors and frames are ready to receive work; labeled, fire-rated doors and frames are present and properly installed, and dimensions are as indicated on shop drawings.

3.02 INSTALLATION

- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
- B. Use templates provided by hardware item manufacturer.
- C. Do not install surface mounted items until finishes applied to substrate are complete.
- D. Mounting heights for hardware from finished floor to center line of hardware item:
 - 1. Wood Doors: Refer to Section 08 14 16.

3.03 FIELD QUALITY CONTROL

- A. Provide an Architectural Hardware Consultant to inspect installation and certify that hardware and installation has been furnished and installed in accordance with manufacturer's instructions and as specified.

3.04 ADJUSTING

- A. Adjust work under provisions of Section 01 70 00.
- B. Adjust hardware for smooth operation.

3.05 CLEANING

- A. Clean adjacent surfaces soiled by hardware installation. Clean finished hardware per manufacturer's instructions after final adjustments has been made. Replace items that cannot be cleaned to manufacturer's level of finish quality at no additional cost.

3.06 PROTECTION

- A. Protect finished Work under provisions of Section 01 70 00.
- B. Do not permit adjacent work to damage hardware or finish.

HARDWARE SETS

4.01 GENERAL

- A. These Hardware Sets indicate requirements for single doors of that type, with conditional requirements for pairs and other situations.

4.02 DOOR HARDWARE SCHEDULE

- A. Organize listing of door hardware components within each hardware set in compliance with 10-Part scheduling sequence indicated in DHI (H&S), unless otherwise indicated.

4.03 HARDWARE SET # 1: "STOREROOM"

- A. Provide for each Pair (PR) door(s).

END OF SECTION 08 71 00